

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A carbon monoxide transforming apparatus, in which carbon monoxide and water vapor both contained in a reformed gas react with each other and are converted into hydrogen and carbon dioxide, the apparatus comprising comprises:

a reaction vessel having gas inlet and outlet ports, the reformed gas containing carbon monoxide and water vapor being introduced through the gas inlet port, and a reformed gas containing the converted hydrogen and carbon dioxide being exhausted through the gas outlet port; and

a catalyst filled in said reaction vessel and having at least platinum or palladium carried on a carrier which has a base point on the surface thereof.

2. (Previously Presented) The carbon monoxide transforming apparatus according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of titanium oxide, and that platinum is carried on the carrier.

3. (Previously Presented) The carbon monoxide transforming apparatus according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of titanium oxide, and that platinum and a rare earth element are carried on the carrier.

4. (Previously Presented) The carbon monoxide transforming apparatus according to claim 3, wherein said rare earth element is at least one element selected from the group consisting of lanthanum and cerium.

5. (Previously Presented) The carbon monoxide transforming apparatus according to claim 3 or 4, wherein platinum and a rare earth element are carried on the titanium oxide carrier at a ratio of 0.1 to 3% by weight and 0.3 to 3% by weight, respectively.

6. (Previously Presented) The carbon monoxide transforming apparatus according to

claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of zinc oxide, and that platinum is carried on the carrier.

7. (Previously Presented) The carbon monoxide transforming apparatus according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of iron oxide, and that platinum and a rare earth element are carried on the carrier.

8. (Previously Presented) The carbon monoxide transforming apparatus according to claim 7, wherein said rare earth element is at least one element selected from the group consisting of lanthanum and cerium.

9. (Previously Presented) The carbon monoxide transforming apparatus according to claim 7 or 8, wherein platinum and a rare earth element are carried on the iron oxide carrier at a ratio of 0.5 to 5% by weight and 1 to 3% by weight, respectively.

10. (Previously Presented) The carbon monoxide transforming apparatus according to claim 1, which further comprises a cooling coil for cooling the catalyst, the cooling coil being disposed inside said reaction vessel.

11. (Previously Presented) The carbon monoxide transforming apparatus according to claim 1, wherein said reaction vessel is partitioned by means of a plurality of gas-permeating plates into plural sections which are arranged between the gas inlet port and the gas outlet port, each section housing a catalyst or a cooling coil, which are alternately arranged.

12. (Withdrawn) A fuel cell power generating system comprising:

a reformer for converting a raw fuel into a hydrogen-rich reformed gas;
a carbon monoxide transforming apparatus comprising a reaction vessel having gas inlet and outlet ports, and a catalyst filled in said reaction vessel and having at least platinum or palladium carried on a carrier which has a base point on the surface thereof; and
a fuel cell having a fuel electrode into which a transformed gas is introduced from

said transforming apparatus.

13. (Withdrawn) The fuel cell power generating system according to claim 12,
wherein a desulfurizer is further disposed on an upstream side of said reformer.

14. (Withdrawn) The fuel cell power generating system according to claim 12 or 13,
wherein a selective oxidizing means for selectively oxidizing carbon monoxide in the
transformed gas fed from said transforming apparatus is further disposed between said
reformer and said fuel cell.